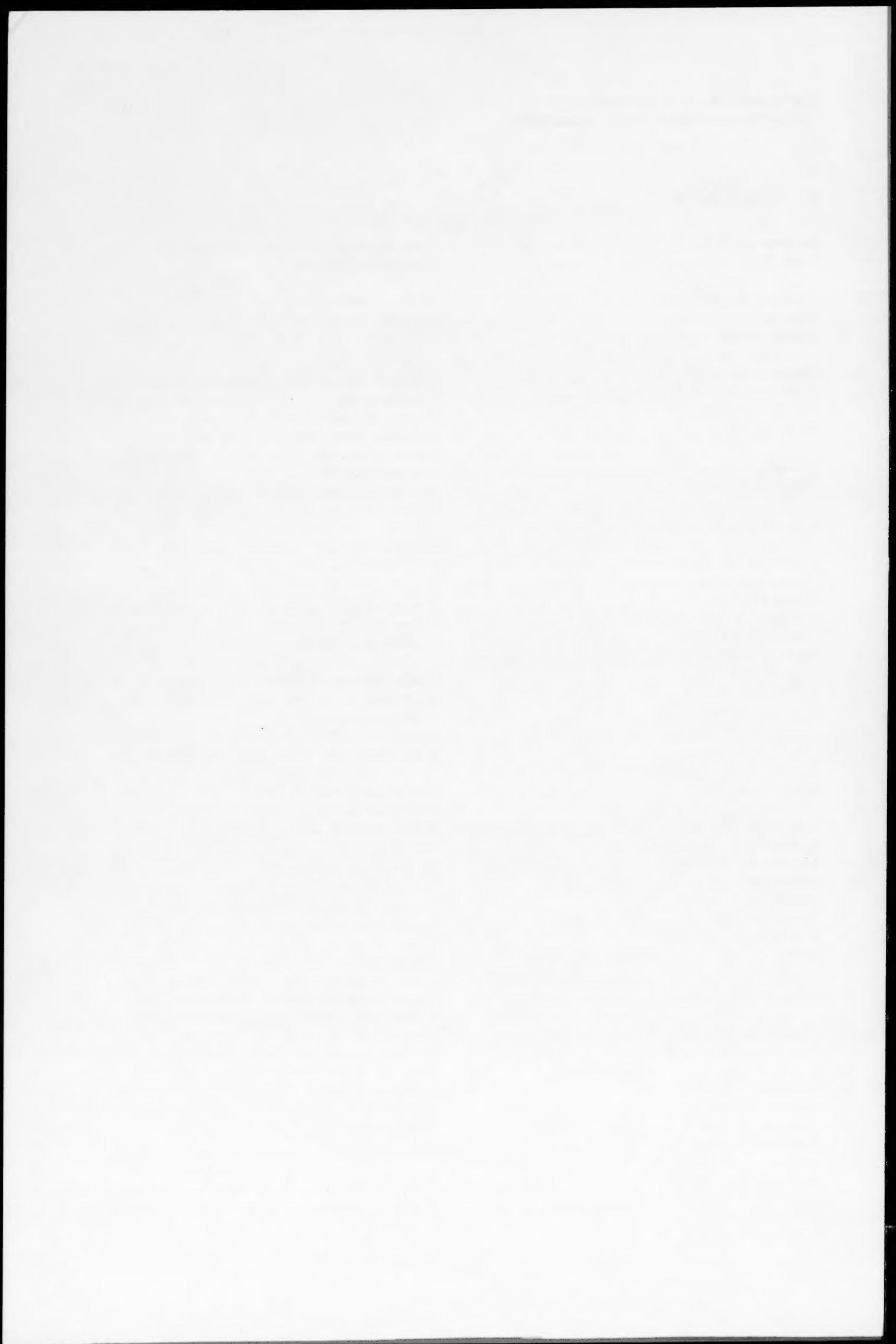


AUTHOR INDEX

- Banaszek, A., 1
Beale, J. M., 11
- Cherniak, R., 331
Chernyak A. Ya., 279
Cizeau, J., 179
- Dalvoy, V. S., 151
Delay, D., 179
Delmotte, F., 179
Desai, T., 209
- El Ashry, E. S. H., 59
El Kilany, Y., 59
- Floss, H. G., 11
- Galambos, G., 269
Galbis Pérez, J. A., 159
Garcia-Ochoa, S., 155
Garegg, P. J., 163
Gettins, P., 43
Gigg, J., 209
Gigg, R., 209
Gil-Serrano, A., 169
Gluziński, P., 1
Gomez, A. M., 155
González-Jiménez, I., 169
Gorshkova, R. P., 189
Goux, W. J., 123
- Hall, L. D., 291, 307
Hamid, H. A., 59
Hayashi, K., 175
Hirano, S., 175
Hirochi, K., 175
Hodosi, G., 269
Holme, K. R., 291, 307
Horne, A., 43
- Jiang, H., 99
- Kamerling, J. P., 229
Kochetkov, N. K., 279
Koh, L. L., 99
Kononov, L. O., 279
Krajewski, J. W., 1
Kuan, K. T., 123
Kuszmann, J., 247, 269
- Lamandé, L., 113
Lamb, D. J., 137
Lee, C.-K., 99
Lehmann, J., 67, 83
- Linhardt, R. J., 137
Loganathan, D., 137
- Mallis, L. M., 137
Martínez, M. B., 159
Mata, F. Z., 159
Matschulat, P., 147
Mayer, R. M., 11
Mazeau, K., 27
Megias, M., 169
Mereyala, H. B., 151
Meyer, S. A., 331
Morris, L. C., 331
Mousaad, A., 59
Muñoz, A., 113
- Oscarson, S., 163
Ovodov, Yu. S., 189
- Paulsen, H., 147
Payne, S., 209
Podányi, B., 247, 269
- Radha Krishna, P., 279
Rama Rao, A. V., 279
Rashed, N., 59
Robyt, J. F., 321
Romero-Vázquez, M. J., 169
- Sánchez del Junco, A., 169
Scheuring, M., 67
Shashkov, A. S., 189
Sottile, L., 123
Speers, R. A., 307
Stangier, P., 147
Steginsky, C. A., 11
Sviridov, A. F., 189
- Tanriseven, A., 321
Tejero-Mateo, P., 169
Thiem, J., 147
Tidén, A.-K., 163
Tung, M. A., 307
Tvaroska, I., 27
- Valverde, S., 155
Van Steijn, A. M. P., 229
Venkataramanaiyah, K. C., 151
Vliegenthart, J. F. G., 229
- Wang, H. M., 137
Weber, D. S., 123
- Ziser, L., 83
Zubkov, V. A., 189



SUBJECT INDEX

- Acceptor binding-site, inhibition of dextran synthesis by acceptor reactions of dextranase, and the demonstration of a separate, 321
- Acyl derivatives of *O*-carboxymethylchitosan, some *N*-, 175
- Agrobacterium tumefaciens*, synthesis of aryl glycosides as *vir* gene inducers of, 179
- Alginic acid and the effects of calcium binding as determined by high-field n.m.r., structural determination of, 11
- 1,6-Anhydro-2,3-dideoxy- β -D-*erythro*- and -*threo*-hex-2-enopyranose, synthesis from 3,4-di-*O*-substituted glycals by a facile intramolecular Ferrier reaction, 151
- 3,4-Anhydropyranose system, studies of the ring conformations using X-ray diffractometry, 1
- Antigen corresponding to a disaccharide repeating unit of the capsular polysaccharide of *Haemophilus influenzae* type e, synthesis of an artificial, 163
- L-Arabinose and D-mannose, reaction with Meldrum's acid, 159
- Aryl glycosides as *vir* gene inducers, synthesis of, 179
- 5-Azido-6-*O*-benzoyl-3,5-dideoxy-3-fluoro-1,2-*O*-isopropylidene- α -D-glucofuranose, synthesis, reactions, and crystal structure of, 99
- Benzyl 3,4-anhydro-2-*O*-mesyl-6-*O*-trityl- α -D-altropyranoside, crystal and molecular structure, 1
- Benzyl ethers of *myo*-inositol, the preparation, resolution, and phosphorylation of some, 209
- Binding site of an immunoglobulin, spacer-modified saccharides for the regioselective photoaffinity labelling of the, 67
- Borate esters of alditols, 11 B- and 13 C-n.m.r. characterization of, synthesis of, 113
- Calcium binding as determined by high-field n.m.r., structural determination of alginic acid and the effects of, 11
- Carboxymethylchitosan, some *N*-acyl derivatives of *O*-, 175
- Chitosan, some *N*-acyl derivatives of *O*-carboxymethyl-, 175
- Chitosan derivatives, preparation and characterization of *N*-[2-(glycosyloxy)ethyl]-, 291
- Chitosan derivatives, solution interaction and rheology of *N*-[2-(glycosyloxy)ethyl]-, 307
- Conformational energy map of methyl 4-thio- α -maltoside in solution, PCILO quantum-mechanical relaxed, 27
- CTP: *N*-acylneuraminate cytidyltransferase, synthesis of an affinity ligand for, 147
- Cytidine-5'-monophosphosialate synthase, synthesis of a glycosidic affinity ligand for, 147
- Cytidyltransferase, CTP: *N*-acylneuraminate, synthesis of an affinity ligand for, 147
- Dextran synthesis by acceptor reactions of dextranase, and the demonstration of a separate acceptor binding-site, inhibition of, 321
- 3,6-Dideoxy-4-C-(4¹-hydroxyethyl)hexopyranoses (yersinioses), synthesis from 1,6-anhydro- β -D-glucopyranose, 189
- 2,3-Dideoxy-4,6:7,8-di-*O*-isopropylidene-D-glucoco-oct-2-enono-1,5-lactone, a synthesis of, 155
- D-Erythorbic acid, dehydro-, quinoxaline versus 2[1H]-quinoxalinone rings from, mode of formation of, 59
- Exopolysaccharide secreted by *Rhizobium leguminosarium* biovar *phaseoli* CFN 42, structure of the acidic, 169
- Fast-atom-bombardment mass-spectrometry, analysis of glycosaminoglycan-derived oligosaccharides using, 137
- Ferrier reaction of 3,4-di-*O*-substituted glycals, synthesis of 1,6-anhydro-2,3-dideoxy- β -D-*erythro*- and -*threo*-hex-2-enopyranose by a facile intramolecular, 151
- 3-Fluoro-1,2-*O*-isopropylidene- α -D-glucofuranose, synthesis, reactions, and crystal structure of 5-azido-6-*O*-benzoyl-3,5-dideoxy-, 99
- D-Fructose phosphates, 13 C-substituted, a convenient method for the preparation of variety of, using readily available enzymes of the glycolytic pathway, 123
- Gas-liquid chromatography-mass spectrometry, and 13 C-nuclear magnetic resonance spectroscopy, structural analysis of glucuronoxylomanan of *Cryptococcus neoformans* serotype C by, 331
- vir* Gene inducers of *Agrobacterium tumefaciens*, synthesis of aryl glycosides as, 179
- Glucofuranose, synthesis, reactions, and crystal structure of 5-azido-6-*O*-benzoyl-3,5-dideoxy-3-fluoro-1,2-*O*-isopropylidene- α -D-, 99
- Glucuronoxylomannan of *Cryptococcus neoformans* serotype C: structural analysis by gas-liquid chromatography-mass spectrometry and 13 C-nuclear magnetic resonance spectroscopy, 331

- Glycosaminoglycan-derived oligosaccharides, analysis using f.a.b.-m.s. of, 137
- Glycosyloxy)ethyl]chitosan derivatives, preparation and characterization of *N*-[2-(, 291
- Haemophilis influenzae* type e, synthesis of an artificial antigen corresponding to a disaccharide repeating unit of the capsular polysaccharide of, 163
- Heparin-derived oligosaccharides, ^1H -n.m.r. spectral assignments for two series of, 43
- Heptanolide, synthesis of 7-(2,4-dichlorophenyl)- α -*erythro*-3-hydroxy-5-, 269
- Heptonic acid, synthesis of 2,6,7-trideoxy-7-*C*(2,4-dichlorophenyl)- α -*xylo*, 247
- Hex-2-enopyranose, synthesis of 1,6-anhydro-2,3-dideoxy- β - α -*erythro*- and -*threo*-, by a facile intramolecular Ferrier reaction of 3,4-di-*O*-substituted glycals, 151
- Hexane-1-sulfonic acid, synthesis of 6-(2,4-dichlorophenyl)- α -*erythro*-2,4-dihydroxy-, 269
- Hexanesulfonic acid, synthesis of 6-(2,4-dichlorophenyl)- α -*xylo*-2,3,4-trihydroxy-, 247
- Hexylphosphonic acid, synthesis of 6-(2,4-dichlorophenyl)- α -*erythro*-2,4-dihydroxy, 269
- Inhibition of dextran synthesis by acceptor reactions of dextranase, and the demonstration of a separate acceptor binding-site, 321
- myo*-Inositol, the preparation, resolution, and phosphorylation of some benzyl ethers of, 209
- Lysine-containing fragments of the *Proteus mirabilis* O27 O-specific polysaccharide and neoglycoconjugates therefrom, synthesis of, 279
- Maltoside in solution, PCILO quantum-mechanical relaxed conformational energy map of methyl 4-thio- α -, 27
- D-Mannose and L-arabinose, reaction with Meldrum's acid, 159
- Meldrum's acid, reaction with D-mannose and L-arabinose, 159
- ^1H -N.m.r. spectral assignments for two series of heparin-derived oligosaccharides, 43
- ^{13}C -Nuclear magnetic resonance spectroscopy, and gas-liquid chromatography-mass spectrometry, structural analysis of glucuronoxylomannan of *Cryptococcus neoformans* serotype C by, 331
- Oct-2-enono-1,5-lactone, a synthesis of 2,3-dideoxy-4,6:7,8-di-*O*-isopropylidene-D-gluco-, 155
- Oligosaccharides derived from glycosaminoglycans, analysis using f.a.b.-m.s. of, 137
- Oligosaccharides, heparin-derived, ^1H -n.m.r. spectral assignments for two series of, 43
- PCILO quantum-mechanical relaxed conformational energy map of methyl 4-thio- α -maltoside in solution, 27
- Photoaffinity labelling of the binding site of an immunoglobulin, spacer-modified saccharides for the regioselective, 67
- Photolabile tetrasaccharides as analogues of maltopentaose for probing porcine pancreatic alpha-amylase, use of spacer-modified, 83
- Polysaccharide, synthesis of lysine-containing fragments of the *Proteus mirabilis* O27 O-specific, and neoglycoconjugates therefrom, 279
- Polysaccharide of *Streptococcus pneumoniae* type 18C, synthesis of trisaccharide methyl glycosides related to fragments of the capsular, 229
- Preparation and characterization of *N*-[2-(glycosyloxy)ethyl]chitosan derivatives, 291
- Preparation, resolution, and phosphorylation of some benzyl ethers of *myo*-inositol: intermediates for the synthesis of *myo*-inositol phosphates of the phosphatidylinositol cycle, 209
- Proteus mirabilis* O27 O-specific polysaccharide, synthesis of lysine-containing fragments and neoglycoconjugates therefrom, 279
- Quinoxaline versus 2[1H]-quinoxalinone rings from dehydro-D-erythorbic acid, mode of formation of, 59
- Rheology of *N*-[2-(glycosyloxy)ethyl]chitosan derivatives, solution interaction and, 307
- Rhizobium leguminosarum* biovar *phaseoli* CFN 42, structure of the acidic exopolysaccharide secreted by, 169
- Solution interaction and rheology of *N*-[2-(glycosyloxy)ethyl]chitosan derivatives, 307
- Spacer-modified photolabile tetrasaccharides as analogues of maltopentaose for probing porcine pancreatic alpha-amylase, 83
- Spacer-modified saccharides for the regioselective photoaffinity labelling of the binding site of an immunoglobulin, 67
- Streptococcus pneumoniae* type 18C, synthesis of trisaccharide methyl glycosides related to fragments of the capsular polysaccharide of, 229
- Structural determination of alginic acid and the effects of calcium binding as determined by high-field n.m.r., 11
- Structure of the acidic exopolysaccharide secreted by *Rhizobium leguminosarum* biovar *phaseoli* CFN 42, 169
- ^{13}C -Substituted D-fructose phosphates, a convenient method for the preparation of a variety of, using readily available enzymes of the glycolytic pathway, 123
- Synthesis of 3,6-dideoxy-4-C-(4'-hydroxyethyl)-hexopyranoses (yersiniloses) from 1,6-anhydro- β -D-glucopyranose, 189

- Tetrasaccharides as analogues of maltopentaose for probing porcine pancreatic alpha-amylase, use of spacer-modified photolabile, 83
- 2,6,7-Trideoxy-7-C-(2,4-dichlorophenyl)-D-xylo-heptonic acid and 6-(2,4-dichlorophenyl)-D-xylo-2,3,4-trihydroxyhexanesulfonic acid, synthesis of, 247
- p-Trifluoroacetamidophenyl 2-acetamido-4-O-(2-acetamido-2-deoxy- β -D-glucopyranosyl)-2-deoxy- β -D-mannopyranosiduronic acid, synthesis of, 163
- Trisaccharide methyl glycosides related to fragments of the capsular polysaccharide of *Streptococcus pneumoniae* type 18C, synthesis of, 229

X-Ray investigation of benzyl 3,4-anhydro-2-O-mesyl-6-O-trityl- α -D-altropyranoside: ring conformations in the 3,4-anhydropyranose system, 1

Yersinioses [3,6-dideoxy-4-C-(4'-hydroxyethyl) hexopyranoses], synthesis from 1,6-anhydro- β -D-glucopyranose, 189



